

Abstract

A c143 monoclonal antibody which is used for detecting a bovine individual having a possibility of onset of bovine leukemia; a monoclonal antibody which is used for detecting a bovine individual having a possibility of onset of bovine leukemia, wherein the monoclonal antibody has the substantially same reactivity as the c143 monoclonal antibody to a bovine MHC Class II DR molecule to which a possibility of onset of bovine leukemia is attributable; and an agent for diagnosing a possibility of onset of bovine leukemia which comprises the aforementioned monoclonal antibody. Bovine individuals having a possibility of onset of bovine leukemia can be conveniently and accurately detected.